
Edmund (Ned) B. Molder

PhD Student, Environment and Resources
Nelson Institute for Environmental Studies
University of Wisconsin, Madison
molder@wisc.edu / (818) 601-3916

EDUCATION

- University of Wisconsin, Madison** Sept. 2020 – June 2025
Ph.D., Environment and Resources
Nelson Institute for Environmental Studies
Advisor: Morgan Robertson, Dept. of Geography
- Colorado State University** Aug. 2017- Dec. 2019
M.A. Anthropology and Geography
Humans and the Environment track
Master's Thesis: "Innovation, Institutions, and the Importance of Large Land Parcels: Drivers of Urban Expansion in San Diego, CA, 1986-2017", advised by Dr. Stephen J. Leisz
- University of Oregon** Sep. 2009- Aug. 2013
B.S. Geological Sciences
Environmental Geosciences track

PUBLICATIONS

Peer-reviewed

- Edmund B. Molder** (2021). "Alces alces absonus". becoming-Feral. J. Armstrong, A. Lakind, C. Adsit-Morris, and R. Saeter (eds.). *Objet-a Creative Studio*. [accepted for publication]
- Ned Molder** and Melinda Laituri (2020). The Hydro-Social Cycle of an Extreme City: Tijuana, Mexico. *Colorado Water*, 37(1): 11-14.

Reports

- Katherine E. Browne with Sarvis Anarella, Maizie Anders, Michelle Anderson, Shadi Azadegan, Charlotte Dorsey, Frances Fedele, Amanda Kircher, Althaea Kress, **Ned Molder**, Zoe Schutte, Elizabeth Shrewsbury, Julie Spawn, Madeline Stott, Sydney Vander Waerd, and John Weinzell (2020). Rockport Residents and Life After Harvey: Results from the 2019 Colorado State University Ethnographic Field School.
- Stebblein, P.F., Loehman, R.A., Miller, M.P., Holomuzki, J.R., Soileau, S.C., Brooks, M.L., Drane-Maury, M., Hamilton, H.M., Kean, J.W., Keeley, J.E., Mason, R.R., Jr., McKerrow, A., Meldrum, J.R., **Molder, E.B.**, Murphy, S.F., Peterson, B., Plumlee, G.S., Shinneman, D.J., van Mantgem, P.J., and York, A., 2021, U.S. Geological Survey wildland fire science strategic plan, 2021–26: U.S. Geological Survey Circular 1471, 30 p., <https://doi.org/10.3133/cir1471>.

CONFERENCES, MEETINGS, AND PRESENTATIONS

Earth Science Information Partners (ESIP): Winter Meeting 2021

January 26th-29th, 2021

Research Poster – “Expanding the Societal Benefits of Earth Observations through Leading Practices for Public Private Partnerships”

American Geophysical Union (AGU): Winter Meeting 2020

December 7th-11th, 2020

Molder, Edmund B., and Straub, Crista L. “Case Studies of Landsat Users in Machine Learning and AI: Mapping the Benefits of EO Data in a Data Ecosystem”

Molder, Edmund B., Preisser, Matthew D., Benedict, Karl K., Shapiro, Carl D., Straub, Crista L., Stryker, Timothy S. “Expanding the Societal Benefits of Earth Observations through Leading Practices for Public Private Partnerships”

Straub, Crista L., Benedict, Karl K., Glynn, Pierre D., Kuwayama, Yusuke, Bednar, Daniel, **Molder, Edmund B.**, Shapiro, Carl D., Conran, Joseph, Sheth, Kartik, Smart, Alan C. “Economic and societal benefits of Earth observations: Repository design, development, and testing”

“Science and Lived Experience: Food, Land, and Water” Storytelling Workshop

November 17th, 2020

Co-organizer (with Jenny Oren, Emily Azevedo-Casey, Stephanie Rockwood, Krista Thompson, Rachel Klicko, Ana Fochesatto, Tierney Bosci, and Adena Rissman)

Earth Science Information Partners (ESIP): Summer Meeting 2020

July 14th-24th, 2020

Session co-convener – “ESIP Public-Private Partnership Cluster”

16th GFOI Regional Workshop – How is REDD+ data used for management, policy, and other reporting mechanisms in Latin America?

Fort Collins, CO – January 21st-24th, 2020

Co-organizer

Hydrology Days Conference – Colorado State University

Fort Collins, CO - March 27th-29th, 2019

Graduate Poster Presentation – “The Hydrosocial Cycle and Extreme Cities”

Brown Bag Lunch Presentation – Geospatial Centroid at Colorado State University

Fort Collins, CO - April 10th, 2019

45-minute presentation – “Urban Expansion in San Diego, CA: Emerging Industry and Cookie-Cutter Housing”

FELLOWSHIPS AND AWARDS

Earth Science Information Partners (ESIP) Community Fellowship - 2020-2021

RELEVANT EXPERIENCE

Social Scientist Sep. 2019-Present
U.S. Geological Survey (USGS)
FORT Collins Science Center, Fort Collins, CO

Graduate Teaching Assistant Sep. 2020 – Dec. 2020
Department of Anthropology
University of Wisconsin, Madison
FA20 – Anthropology 104, Cultural Anthropology and Human Diversity

Remote Sensing Research Assistant Nov. 2019-May 2020
Department of Anthropology and Geography
Colorado State University

Graduate Teaching Assistant Jun. 2019-Aug. 2019
Ethnographic Field School for Risk and Disaster
Colorado State University

Graduate Teaching Assistant Aug. 2017-May 2019
Department of Anthropology and Geography
Colorado State University
FA17 – Geography 100, Introduction to Geography
SP18 – Geography 100, Introduction to Geography
FA18 – Geography 100, Introduction to Geography
SP19 – Anthropology 200, Cultures and the Global System

Intern Sep. 2018-Aug. 2019
Geospatial Centroid
Morgan Library, Colorado State University

Vice President, Editor in Chief Sep. 2018-May 2019
Anthropology Graduate Student Society (AGSS)
Colorado State University

Co-President, Financial Officer Sep. 2018-May 2019
Geospatial Grad Students Club
Colorado State University

Research Assistant May-Aug. 2018
Department of Anthropology and Geography
Colorado State University

Soils Technician

Geocon, Inc.
San Diego, CA

Jul. 2016-Apr. 2017

Geotech

Groundmetrics, Inc.
San Diego, CA

Aug. 2013-Dec. 2015

President, Community Outreach Coordinator

University of Oregon Geology Club
University of Oregon

Sep. 2011-Jun. 2013

PROFESSIONAL ASSOCIATIONS AND WORKING GROUPS

- American Association of Geographers (AAG)
- American Geophysical Union (AGU)
- Earth Science Information Partners (ESIP)
- World-Wide Human Geography Data Working Group (WWHGD)

MISCELLANEOUS**Software Proficiencies**

- QGIS
- ArcGIS
- ENVI
- Python
- R
- SPSS
- QSR NVivo
- Microsoft Office Suite
- Adobe Creative Suite
- GIMP
- Audacity
- Ableton Live, Logic Pro
- Qualtrics
- Zotero, EndNote, Mendeley
- Google Earth, Earth Engine

Spoken Languages

English (fluent), Spanish (conversational)